

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/GB 03/02855A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B02C21/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B02C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 647 545 A (CONNER EDWARD L) 15 July 1997 (1997-07-15)	1
Y	column 1, line 21 - line 24	3-7, 9
A	column 2, line 58 - column 4, line 49; figures 1-7	2
X	GB 1 246 190 A (XXX) 15 September 1971 (1971-09-15)	2, 3, 7
A	page 1, line 54 - line 73 page 2, line 23 - line 35 page 2, line 59 - line 80 page 2, line 86 - line 127 page 3, line 38 - line 45; figures 1, 2	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

30 October 2003

Date of mailing of the international search report

07/11/2003

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 327 678 A (GRONHOLZ CLAUS) 16 August 1989 (1989-08-16)	3-7,9
X	column 2, line 27 - line 35	2-7
A	column 4, line 54 -column 5, line 2	1
	column 5, line 20 - line 31	
	column 6, line 40 -column 7, line 39;	
	figure 1	
X	US 4 763 845 A (GUGGENHEIMER KURT ET AL) 16 August 1988 (1988-08-16)	2,5,6
	column 1, line 34 - line 59	
	column 2, line 56 -column 4, line 14;	
	figures 6,7	

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Int'l application No.
PCT/GB 03/02855

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1,3-9

A mobile 3 part crushing assembly where these three parts namely feeder, crusher and discharge sections are detachably connectable

2. Claims: 2-9

A mobile 3 part crushing assembly where a crusher section is pivotally connected to a discharge section and where a feeder and the discharge sections are independently manoeuvrable

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5647545	A	15-07-1997	CA 2188173 A1	19-04-1997
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			CH 504231 A	15-03-1971
			DE 1960686 A1	11-02-1971
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			LU 59944 A1	04-02-1970
			NL 6918347 A	09-06-1970
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			AT 83276 T	15-12-1992
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			EP 0327678 A2	16-08-1989
			JP 1247604 A	03-10-1989
US 4763845	A	16-08-1988	DE 3608789 A1	24-09-1987
			AU 582281 B2	16-03-1989
			AU 6423286 A	17-09-1987
			CA 1315251 C	30-03-1993
			GB 2189405 A , B	28-10-1987
			JP 62213856 A	19-09-1987